## DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Director, UGC-Human Resource Development Centre, JNTUH, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant
Name:

## SPONSORSHIP CERTIFICATE

Certified that _____is a regular employee of our institution since _____, and is hereby sponsored for the Refresher Course on **"Internet of Things",** at UGC – Human Resource Development Centre, JNTU Hyderabad during the period **09-10-2017 to 30-10-2017**. From the year _____, our College is affiliated to _____ University, which is approved by the UGC. Our College is ………………… (included / not included) under 2(f) & 12(b) of UGC act. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar /
Principal / Director with Seal

Place:
Date :

**Note to Sponsoring Authority:**
1. It is mandatory that the sponsored teachers, **if selected,** should be deputed for the Course.
2. **Hardcopy application along with Rs. 1000/- D.D. is compulsory for confirming the participation.**

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**Financial Assistance:**
Outstation Teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

**Accommodation:**
Accommodation will be provided to all non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad.

**Venue:**
UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

| Important Dates: | | |
|---|---|---|
| Last date for Receipt of Application at UGC - HRDC, JNTUH, Hyderabad | : | **25-09-2017** |
| Intimation of Selection to the candidates through e-mail/web/letter | : | **26-09-2017** |
| Confirmation by Participants by e-mail / FAX / Letter | : | **29-09-2017** |
| Course Commencement | : | **09-10-2017** |

Advance copy of application may be submitted through e-mail followed by hardcopy.

**Note:** Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

### *Address for all Correspondence:*

**The Director**
UGC – Human Resource Development Centre,
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Phone: 040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312 / 2313
e-mail: directorhrdcjntuh@yahoo.com
web: www.jntuhhrdc.in

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## Refresher Course on

## "Internet of Things"

## (09-10-2017 to 30-10-2017)

*Sponsored by*
**University Grants Commission**

*Coordinators:*
**Dr. M. Nagaratna**
Associate Professor, Dept. of C.S.E.,
JNTUHCEH, Hyderabad, T.S.
**&**
**Dr. K. Shahu Chatrapati**
Associate Professor & Head, Dept. of CSE
JNTUHCEM, Manthani, T.S.



*Organized by*



**UGC-HUMAN RESOURCE DEVELOPMENT CENTRE**
**Jawaharlal Nehru Technological University Hyderabad**
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

## Introduction:

The UGC-Academic Staff College shall be known as UGC-Human Resource Development Centre (UGC-HRDC) hence forth as per XII Plan guidelines of the scheme 'Regional Centre for Capacity Building' (RCCB) and 'Human Resource Development Centre' (HRDC).

The UGC-Human Resource Development Centre, Jawaharlal Nehru Technological University Hyderabad organizes Orientation Courses, Refresher Courses, and Short Term Courses on thrust areas for in-service teachers and also for newly appointed teaching faculty on a regular basis.

**The Refresher Course will enable the teachers to:**

- Provide opportunities for teachers in service, to exchange experience with their peers and learn mutually from each other;
- Provide a forum for serving teachers to keep themselves abreast of the latest advances in various subjects;
- Create the culture of learning and self improvement among the teachers;
- Provide opportunities to further widen their knowledge and to pursue research studies, and
- Give an introduction to new methods and innovations in higher education and enlighten them so that the participants can in turn develop their own innovative methods of instruction.

During the current academic year 2017-2018, a Three-Week Refresher Course on **"Internet of Things"** is proposed to be organised during **09-10-2017 to 30-10-2017,** in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of 'first -come-first-serve'.

## Eligibility:

- **Teachers working in Universities and Colleges**, that are included under section 2(f) of the UGC Act, even though they may not yet be fit to be included under Section 12 (B), are eligible to participate in this course. The teachers of colleges that do not yet come within the purview of Section 12(B), but have been affiliated to a University for at least two years, will be permitted to participate in this course. However they won't be paid TA/DA and other allowances for attending these courses.

- **Faculty from the departments of CSE, IT, Computational Linguists, EEE, ECE, ME, Mathematics, Bio-Informatics and related disciplines.**

- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.
- It is mandatory that sponsored teachers, **if selected, should participate in the Course.**
- **Part-Time/Adhoc/temporary/contract teachers** who have been teaching for at least three academic sessions in an Institution which has been affiliated to a University for at least two years may be permitted to participate in the Course.

## Registration Fee:

Every Teacher Participant shall pay an admission fee (non-refundable) of Rs. 1000/- through D.D. in favour of Director, UGC-Human Resource Development Centre, JNT University Hyderabad, payable at Hyderabad, along with the through proper channel application.

## Confirmation by Participants:

Confirmation by Participants is a must, as per the date specified overleaf. If the confirmed number of participants is less than 30, the course may be re-scheduled.

## Main Subject Contents:

- *Introduction to IoT*
- *Communication Models of IoT*
- *IoT enabled technologies – WSN, Cloud Computing, Big Data Analytics*
- *Introduction to Arduino & Raspberry Pi*
- *Programming fundamentals (C and Python)*
- *Software defined Networks*
- *Network function Virtualization*
- *Security Challenges in IoT*
- *Research issues and Case Studies in IoT.*

## Note:

During the course, each teacher-participant will be required to present a seminar presentation and also work on a mini project on important topics related to the theme of this course.

## Faculty:

Resource persons are drawn from IIT, NIT, IIIT, JNTUH and different Universities, Industries and R&D Organizations.

## APPLICATION FORM
### Refresher Course on "Internet of Things"

**1.** Name: …………………………………………………….

**2.** Date of Birth & Age: …………………………………

**3.** Gender (M / F): …………………………………………

**4.** Qualifications:……………………………………………..

**5.** Category:        SC/ST/OBC/Any other.

**6.** Teaching Experience:…………………………………………...

**7.** a)Designation :
b)Department:
c)Pay Scale & Present Basic :

**8.** a) Institution      :
b) Affiliating University:

**9.** Whether your University/College is included under 2(f) & 12 (B) of UGC act:        YES / NO

**10.**        Address for Communication:
………………………………………….............................
.......................................................................................
……………………………………………………………

**11.**        College Address:
......…………………………………………......................
.......................................................................................
……………………………………………………………

12. Phones Nos:
(O)........................................        (R)...……...………….

MOBILE:.............................        Fax:…………………..

E - mail ID: ..........……………………………………..

13. D.D.No., Date and Bank details:
.......................................................................................

14. Nearest Railway Station :…………………………….

15. Previous Participation in UGC-HRDC Orientation & Refresher Courses:

| S. No | Course Title | Date | Place |
|---|---|---|---|
|  |  |  |  |

**UGC-HUMAN RESOURCE DEVELOPMENT CENTRE**
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**
**(Established by JNTU Act No. 30 of 2008)**
Kukatpally, Hyderabad – 500 085, Telangana State, India.

**Dr. B. BALU NAIK**
Professor of Mechanical Engineering &
**DIRECTOR**

**Lr. No. JNTUH/UGC-HRDC/RC-IoT/2017-18**                    **Date: 26-09-2017**

**Dear Participants,**

**Sub:**   UGC-HRDC, JNTUH, Hyderabad - Three Weeks Refresher Course on
"Internet of Things" from 09-10-2017 to 30-10-2017 – Selection – Intimation
– Reg.

***

        This is with reference to your letter / e-mail expressing interest in participating in the
Refresher Course on "Internet of Things" organized by the UGC Human Resource
Development Centre, JNT University Hyderabad. We are happy to inform that, you have
been provisionally selected for the above Course to be organized from 09-10-2017 to 30-10-
2017.

        **Participants should submit the Relieving letter and Certificate for claiming
TA/DA** (format enclosed) **from the Head of the Institution at the time of Registration.**

        As this is a contact based programme, no teacher will be allowed to leave during the
operation of the programme.  However, in case of emergency with the permission of the
Director of HRDC, the participant can be allowed in exceptional circumstances to attend the
similar number of hours in the next programme to complete the course.  No certificate is to
be issued to any participant unless adequate number of hours are completed by the
concerned participant.

        The course is scheduled at 10.00 AM on 09th October, 2017, at the UGC Human
Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad – 500
085. You have to report at 9.30 A.M. on 09-10-2017 for registration.  Kindly confirm your
participation through e-mail / Fax / Courier on or before 29-09-2017 without fail.  Looking
forward to meet you on 09-10-2017.

                                                             Yours Sincerely,
                                                                  Sd/-
                                                              **DIRECTOR**

Selection list of participants for the
**Refresher Course on "Internet of Things"**
(09-10-2017 to 30-10-2017)

**List of participants:**

1. Dr. Layak Ali, Central University of Karnataka, Kalaburagi, Karnataka
2. Shashikiran Hanchinal, Government College, Seadm Road, Gulbarga, Karnataka
3. Dr. J. Upendar, University College of Engineering, OU, Hyderabad, T.S.
4. U. Suryavalli, University College of Engineering, OU, Hyderabad, T.S.
5. V. Sukanya, University College of Engineering, OU, Hyderabad, T.S.
6. E. Pragnavi, University College of Engineering, OU, Hyderabad, T.S.
7. R. Vijaya Kumari, Krishna University, Machilipatnam, A.P.
8. Dr. R. Kiran Kumar, Krishna University, Machilipatnam, A.P.
9. N. Naveen Kumar, JNTUH, Kukatpally, Hyderabad, T.S.
10. Md. Atheeq Sultan Ghori, Telangana University, Nizamabad, T.S.
11. Sampatkumari Maruti Bandagar, Govt. First Grade College, Humnabad, Bidar Dist., Karnataka,
12. S.S.S.N. Usha Devi N, University College of Engineering Kakinada, Kakinada, A.P.
13. S. Chandra Sekhar, University College of Engineering Kakinada, Kakinada, A.P.
14. Dr. G. Janardha Reddy, School of Physical Sciences, Central university of Karnataka, Kadaganchi, Kalaburagi, Karnataka
15. M. Shyamsunder, University College of Engineering, Osmania University, Hyderabad, T.S.
16. Vidyasree Pavuluri, Stanley Engineering College for Women, Fateh Maidan, Abids, Hyderabad, T.S.
17. Prayaga Siddappa, Government College, Sedam Road, Kalaburagi, Karnataka
18. Asma Nikhat, Government College, Sedam Road, Kalaburagi, Karnataka
19. Dr. Padmaja Pulicherla, TKR Engineering College, Medbowli, Meerpet, Saroor Nagar, Hyderabad, T.S.
20. K.C. Ravi Kumar, Sridevi Women's Engineering College, Vattinagulapally, Hyderabad, T.S.
21. Chandrasekhar Batti, Sridevi Women's Engineering College, Vattinagulapally, Hyderabad, T.S.
22. Mohd. Yousuf, MANUU, Gachibowli, Hyderabad, T.S.
23. Mujahid Pasha Syed, MANUU, Gachibowli, Hyderabad, T.S.
24. K. Spandana, Chaiyanya Bharathi Institute of Technology, Gandipet, Hyderabad, T.S.
25. Dr. B. Basaveswara Rao, Acharya Nagarjuna University, Guntur, A.P.
26. Manjulabai, Govt. First Grade College, Kalagi, Gulbarga Dist., Karnataka
27. Dr. M. Safish Mary, St. Xavier's College, Palayamkuttai, Tirunelveli, Tamilnadu
28. Pushpalata Gonasagi, Govt. College Gulbarga, Kusunur Road, Gulbarga, Kalaburgi, Karnataka
29. Dr. Ganesh Narayanrao Bokare, Nagnath Arts, Commerce and Science College, Aundha (V), Dist. Hingoli, Maharashtra
30. Arjun Vithalrao Mane, Govt. Institute of Forensic Sciences, Nagpur, Maharashtra
31. Monali Khachane, Yashwantrao Chava School of Rural Development, Shivaji University, Kolhapur, Maharashtra
32. Khaleda Afroaz, School of CS & IT, MANUU, Hyderabad, T.S.
33. Halavath Saidulu, SBIT, Khammam, T.S.

**Note:**

- Participants who have applied not through proper channel are requested to send the hardcopy application along with registration fee on or before 29-09-2017

- Teachers working in Universities and Colleges, that are included under section 2(f) of the UGC Act, even though they may not yet be fit to be included under Section 12 (B), are eligible to participate in the Course. The teachers of colleges that do not yet come within the purview of Section 12(B), but have been affiliated to a University for at least two years, will be permitted to participate in the Course. However they won't be paid TA/DA and other allowances for attending these courses.

**\*\*\***

# UGC-sponsored Three Week Refresher Course on "Internet of Things"
## (09-10-2017 to 30-10-2017)   1st Week Time Table

| Date | 10.00 to 11.30 | | 11.45 to 1.15 | | 2.00 to 3.30 | | 3.45 to 5.15 |
|---|---|---|---|---|---|---|---|
| **09-10-2017 Monday** | Registration | | **Introduction to IoT** By **Dr. L. Pratap Reddy** Professor, Dept. of ECE JNTUHCEH, Hyderabad, T.S. **9490098012** | | **Introduction to Arduino Board** by **Mr. D. Ramesh Reddy** Asst. Professor, Dept. of ECE, VNRVJIET, Bachupally, Hyderabad, T.S. **9000666424** **rameshreddy_d@vnrvjiet.in** | | **Simple LED Demonstration using Arduino** by **Mr. D. Ramesh Reddy** Asst. Professor, Dept. of ECE, VNRVJIET Bachupally, Hyderabad, T.S. |
| **10-10-2017 Tuesday** | **IoT Applications** by **Dr. G. Ramesh Chandra** Professor, Dept. of CSE & Head Research Consultancy Center, VNR VJIET, Bachupally, Hyderabad **9885497583** **rameshchandra_g@vnrvjiet.in** | | **IoT Applications** by **Dr. G. Ramesh Chandra** Professor, Dept. of CSE & Head Research Consultancy Center, VNR VJIET, Bachupally, Hyderabad | | **Hands on Session Deep Dive into the Arduino Board and its IDE** by **Mr. D. Raviteja** Co-Founder,  IROBOTICS Research Labs Pvt.Ltd | | **Hands on Session Programming fundamentals (Embedded C language)** by **Mr. D. Raviteja** Co-Founder,  IROBOTICS Research Labs Pvt.Ltd |
| **11-10-2017 Wednesday** | **IoT Architectures** by **Mr. Sripada Narayana Rao** Manager, VJHUB CEO, SALCIT technologies Hyderabad **9945399533** **narayanarao_svn@vnrvjiet.in** | | **IoT Architectures** by **Mr. Sripada Narayana Rao** Manager, VJHUB CEO, SALCIT technologies Hyderabad | | **Hands on Session Intro to the Industrial Sensors** by **Ms. D. Mounika** IOT Developer,  IROBOTICS Research Labs Pvt.Ltd | | **Hands on Session How to Read Data from Sensors** by **Ms. D. Mounika** IOT Developer,  IROBOTICS Research Labs Pvt.Ltd |
| **12-10-2017 Thursday** | **RFID and NFC Technologies** by **Mr. Sripada Narayana Rao** Manager, VJHUB CEO, SALCIT technologies Hyderabad **9945399533** | | **IoT Protocols** by **Mr. Sripada Narayana Rao** Manager, VJHUB CEO, SALCIT technologies Hyderabad | | **Hands on Session - Integrating Temperature Sensor & Reading Environmental Physical Values** by **Ms. D. Mounika** IOT Developer,  IROBOTICS Research Labs Pvt. Ltd | | **Hands on Session - Understanding Traffic Light System through programming** by **Ms. D. Mounika** IOT Developer,  IROBOTICS Research Labs Pvt. Ltd |
| **13-10-2017 Friday** | **IoT Security and Cryptography** By **Dr. Kannan Srinadhan** Assistant Professor International Institute of Information Technology Hyderabad   **9885311702   srinathan@iiit.ac.in** | | **IoT Security and Cryptography** By **Dr.Kannan Srinadhan** Assistant Professor IIIT Hyderabad | | **Hands on Session - Posting to the Local Server and Third Party Server Adafruit, UBIDOTS** By **Mr. D. Raviteja** Co-Founder, IROBOTICS Research Labs Pvt. Ltd | | **Hands on Session - Configuring Mobile Phone to Receive Alert Messages and mails** by **Mr. D. Raviteja** Co-Founder, IROBOTICS Research Labs Pvt. Ltd |
| **14-10-2017 Saturday** | **IoT Data Analytics using R** by **Dr. T.V. Rajani Kanth** Professor, SNIST, Hyderabad **9849414375  rajinitv@gmail.com** | | **IoT Data Analytics using R** by **Dr. T.V. Rajani Kanth** Professor, SNIST, Hyderabad | | **Hands on Session Revise & Competition** by **Mr. Rajkumar** Embedded Developer,  IROBOTICS Research Labs Pvt. Ltd | | **Hands on Session Revise & Competition** by **Mr. Rajkumar** Embedded Developer, IROBOTICS Research Labs Pvt. Ltd |

Tea break

Lunch Break

Tea break

## UGC-sponsored Three Week Refresher Course on "Internet of Things"
### (09-10-2017 to 30-10-2017)  2nd Week Time Table

| Date | 10.00 to 11.30 | | 11.45 to 1.15 | | 2.00 to 3.30 | | 3.45 to 5.15 |
|---|---|---|---|---|---|---|---|
| **16-10-2017 Monday** | **Formal Methods of IoT** by **Dr. M.V.  Panduranga Rao** Assoc. Professor, Dept. of CSE, IIT Hyderabad **9573593617  mvp@iith.ac.in** | | **Formal Methods of IoT** by **Dr. M.V.  Panduranga Rao** Assoc. Professor, Dept. of CSE, IIT Hyderabad | | **Introduction to Processor Board Raspberrypi** by **Mr. D. Ramesh Reddy** Asst. Professor, Dept. of ECE, VNRVJIET, Bachupally, Hyderabad, T.S.  9000666424 rameshreddy_d@vnrvjiet.in | | **Python programming for LED blinking using Raspberrypi** by **Mr. D. Ramesh Reddy** Asst. Professor, Dept. of ECE, VNRVJIET, Bachupally, Hyderabad, T.S |
| **17-10-2017 Tuesday** | **IoT and Big Data Technologies** by **Srinivas Mallampati** Founder and CEO, TechyBees, Bangalore **8019669936 srinivas@techybees.com** | | **IoT and Big Data Technologies** By **Srinivas Mallampati** Founder and CEO, TechyBees, Bangalore | | **IoT and Ethics** By **Dr. C. Kiran** Associate Professor, VNRVJIET, Bachupally, EIE Departmnet Hyderabad  **9030751024** **kiran_c@vnrvjiet.in** | | **Transducers Circuit Design** by **Prof. S.V.L Narasimham** Professor of CSE, School of IT, JNTUH, Kukatpally, Hyderabad **svlnarasimham@gmail.com** |
| **18-10-2017 Wednesday** | **Intelligent and Soft sensors for environmental monitoring: Research issues and implementation challenges** by **Dr. S.K. Udgata** Professor, SCIS, HCU, Hyderabad **9705395136 skudgata@gmail.com** | Tea break | **Intelligent and Soft sensors for environmental monitoring: Research issues and implementation challenges** by **Dr. S.K. Udgata** Professor, SCIS, HCU, Hyderabad | Lunch Break | **IoT Design Methodology** By **Dr. N. Sandhya** Professor, VNRVJIET, Bachupally, Hyderabad  **9849354789** **sandhyanadela@gmail.com** | Tea break | **IoT enabled Techniologies** By **Dr. N. Sandhya** Professor, VNRVJIET, Bachupally, Hyderabad |
| **19-10-2017 Thursday** | **Deepavali Holiday** ———————————→ | | | | | | |
| **20-10-2017 Friday** | **Holiday** ———————————→ | | | | | | |
| **21-10-2017 Saturday** | **IoT and Artificial Intelligence** By **Mr.  Srinivasa Reddy Gurram** Director – CSX Cyber Security, ISACAH, Advisor & Incharge - CFIS IoT Lab, CSE JNTUH Hyderabad, T.S.  **9440388436 til@jntuh.ac.in** | | **IoT and Artificial Intelligence** By **Mr.  Srinivasa Reddy G.** Director – CSX Cyber Security, ISACAH,  Advisor & Incharge - CFIS IoT Lab, CSE JNTUH Hyderabad, T.S. | | **Node MCU with Sensors and Applications** By **Sri Satish R.** CEO, IoT Wevo labs Hyderabad  **9963022247** | | **Node MCU with Sensors and Applications** By **Sri Satish R.** CEO, IoT Wevo labs Hyderabad |
| **22-10-2017 Sunday** | **Internet of Things – EDGE/FOG Computing** By **Dr. Garimella Rammurthy** Professor, IIIT, Hyderabad **9676719686  rammurthy@iiit.ac.in** | | **Internet of Things – EDGE/FOG Computing** By **Dr. Garimella Rammurthy** Professor, IIIT, Hyderabad | | **IoT Case Studies** By **Dr. K. Shahu Chatrapathi** Assoc. Professor & Head, Dept. of CSE, JNTUHCEM, Manthani, T.S. **9866301501** | | **IoT Case Studies** By **Dr. K. Shahu Chatrapathi** Assoc. Professor & Head, Dept. of CSE, JNTUHCEM, Manthani, T.S. |

# UGC-sponsored Three Week Refresher Course on "Internet of Things"
## (09-10-2017 to 30-10-2017)    3rd Week Time Table

| Date | 10.00 to 11.30 | | 11.45 to 1.15 | | 2.00 to 3.30 | | 3.45 to 5.15 |
|---|---|---|---|---|---|---|---|
| **23-10-2017** **Monday** | **IoT Research Challenges** by **Dr. Samrat L. Sabat** Professor, School of Physics, HCU, Hyderabad, T.S.  **8985748008 slsspuohyd@gmail.com** | | **IoT and Cloud** by **Dr. P.V. Sudha** Assoc. Professor, Dept. of CSE Osmania University, Hyderabad **9492754480** **sudha392623@yahoo.com** | | **Role of  Machine Learning algorithms in IoT applications** by **Dr. V. Kamakshi Prasad** Professor of CSE & Director of Evaluation, JNTUH, Hyderabad **9392472216** | | **Role of  Machine Learning algorithms in IoT applications** by **Dr. V. Kamakshi Prasad** Professor of CSE & Director of Evaluation, JNTUH, Hyderabad **kamakshiprasad@jntuh.ac.in** |
| **24-10-2017** **Tuesday** | **Sensors Interfacing to RaspberryPi** by **Ms. Lakshmi Kalyani** Asst. Professor, Dept. of CSE, VNRVJIET, Bachupally, Hyderabad, T.S. **9000666424** | | **IoT based home automation, GSM interfacing, messaging and calling through raspberryPi**   by **Ms. Lakshmi Kalyani** Asst. Professor, Dept. of CSE, VNRVJIET, Bachupally, Hyd | | **IoT and Sensor Networks** **By** **Dr. M. Nagaratna** Assoc. Professor, Dept. of CSE JNTUHCEH, Hyderabad, T.S. **9948688672** | | **IoT and Sensor Networks** **By** **Dr. M. Nagaratna** Assoc. Professor, Dept. of CSE JNTUHCEH, Hyderabad, T.S. |
| **25-10-2017** **Wednesday** | **Seminar presentations by the Participants** **(Sl. No. 1 to 11)** **Subject Expert** **Dr. G. Vijaya Kumari** Professor, Dept. of CSE, JNTUHCEH Hyderabad | Tea break | **Seminar presentations by the Participants** **Subject Expert** **Dr. G. Vijaya Kumari** Professor, Dept. of CSE, JNTUHCEH, Hyderabad | Lunch Break | **Seminar presentations by the Participants** **(Sl. No.  12 to 22)** **Subject Expert** **Dr. R. Sridevi** Professor & Head, Dept. of CSE, JNTUHCEH, Hyderabad | Tea break | **Seminar presentations by the Participants** **Subject Expert** **Dr. R. Sridevi** Professor & Head, Dept. of CSE, JNTUHCEH, Hyderabad |
| **26-10-2017** **Thursday** | **Seminar presentations by the Participants** **(Sl. No. 23 to 33)** **Subject Expert** **Dr. O.B.V. Ramanaiah** Professor, Dept. of CSE, JNTUHCEH, Hyderabad | | **Seminar presentations by the Participants** **Subject Expert** **Dr. O.B.V. Ramanaiah** Professor, Dept. of CSE, JNTUHCEH, Hyderabad | | **Micro Teaching Evaluation** **(Sl. No. 1 to 11)** **Expert** **Dr. N.V.S.N. Lakshmi** Asst. Professor, Dept. of H&SS, JNTUHCEH, Hyderabad | | **Micro Teaching Evaluation** **Expert** **Dr. N.V.S.N. Lakshmi** Asst. Professor, Dept. of H&SS, JNTUHCEH, Hyderabad |
| **27-10-2017** **Friday** | **Micro Teaching Evaluation** **(Sl. No.  12 to 22)** **Expert** **Dr. V. Parvathi** Professor, Dept. of H&SS, JNTUHCEH Hyderabad | | **Micro Teaching Evaluation** **Expert** **Dr. V. Parvathi** Professor, Dept. of H&SS, JNTUHCEH, Hyderabad | | **Micro Teaching Evaluation** **(Sl. No. 23 to 33)** **Expert** **Dr. V. Parvathi** Professor, Dept. of H&SS, JNTUHCEH, Hyderabad | | **Micro Teaching Evaluation** **Expert** **Dr. V. Parvathi** Professor, Dept. of H&SS, JNTUHCEH, Hyderabad |
| **28-10-2017** **Saturday** | **IoT Prototyping** By **Mr. N. Raviteja** Project Engineer, C-DAC Hyderabad **9032001496** **raviteja2727@gmail.com** | | **IoT Prototyping** By **Mr. N. Raviteja** Project Engineer, C-DAC Hyderabad | | **Hands on Session** **Node Red Software for IoT** by **Mr. Rajkumar** Embedded Developer,  IROBOTICS Research Labs Pvt. Ltd | | **Hands on Session** **Node Red Software for IoT** by **Mr. Rajkumar** Embedded Developer, IROBOTICS Research Labs Pvt. |
| **30-10-2017** **Monday** | **IoT Research and Innovation to Market Deployment** By **Dr. S.V. Srikanth** Principal Technical Officer, C-DAC, Hyderabad **9949693448 venkatas@cdac.in** | | **IoT Research and Innovation to Market Deployment** By **Dr. S.V. Srikanth** Principal Technical Officer, C-DAC, Hyderabad | | **Valedictory Session** Chief Guest **Dr. A. Prabhu Kumar** **Director, SMS, JNTUH** ⟶ | | |

| Name of the Course | Schedule | No. of days | Sponsored by | No. of Participants |
|---|---|---|---|---|
| Refresher Course – Internet of Things | 09.10.2017 to 30.10.2017 | 18 | UGC | 33 |

**Group Photo**